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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/847,442 | 05/03/2001 | Shigeki Kawakami | Q64139 | 5719 |

7590 11/15/2004
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| EXAMINER |
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BAYAT, ALI

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| ART UNIT | PAPER NUMBER |
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2625

DATE MAILED: 11/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/847,442

Applicant(s)

KAWAKAMI ET AL.

Examiner

Ali Bayat

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 6/25/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Response to Amendment

1. Applicant's arguments, see paper number 6/25/04, with respect to the rejection(s) of the claims 1-10, have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Naoi (U.S. 6,351,263) in view of Tanabe et al. (U.S. 6,646,649).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3,6-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Naoi (U.S. 6,351,263).

In regard to claim 1, Naoi provides for a color conversion apparatus comprising: and input section for inputting page information having both image information including color data (Fig.1 element 27 col.2 lines 65-67) and character information including color data (Fig.1 element 2B col.2 lines 60-62); a color conversion section for practicing mutually different color conversions for both the image information (Fig.13 element S116, col.6 lines 53-58) and the character information (Fig.13 element S115, col.6 lines 44-52) of the entered page information ; and output section for outputting page

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information, which has both image information after the color conversion and character information after the color conversion (Fig.13 element S120, col.7 lines 6-8).

With regard to claim 2, Naoi provides for a color conversion apparatus, wherein color conversion section has data determination means (Fig.1 element 28, col.2 lines 56-57) for determining whether unit pieces of information constituting the entered page information are each concerned with image information (Fig.1 element 27, col.2 lines 65-67) or character information (Fig.1 element 2B, col.2 lines 61-62), and said color conversion section causes the image information and the character information determined by said data determination means to be stored in mutually different files, so that the image information and the character information, which are stored in mutually different files, are separately subjected to the color conversion (Fig.13 see elements S116 and S115 respectively col.6 lines 45-60).

As to claim 3. See claim 2 above. It recites similar limitation as claim 2. Hence it is similarly analyzed and rejected.

With regard to claim 6. See claim 2 above. It recites similar limitations as claim 2. Except for selecting any one of a plurality of color conversion tables in accordance with an operation of a user (Fig.3 element S6, col.3 lines 20-30). Hence it is similarly analyzed and rejected.

In regard to claim 7, Naoi provides for a color conversion apparatus, wherein input section inputs page information including three elements color space data, and output section outputs page information including at least one color of an ink system of color data (Fig.5 elements 51-53, col.3 lines 50-58).

As to claim 8. See claim 7 above. It recites similar limitation as claim 7. Hence it is similarly analyzed and rejected.

With regard to claim 9, Naoi provides for a color conversion apparatus, wherein output section outputs page information in form of page information described in layout description information or in form of page information subjected to a raster development (Fig.13 element S119, col.7 lines 5-8).

In regard to claim 10. See claim 1 above. It recites similar limitations as claim 1. Except for a program storage medium storing a color conversion program for forming on computer network (Fig.1, col. 2 lines 35-40). Hence it is similarly analyzed and rejected.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Naoi (U.S. 6,351,263) in view of Tanabe et al. (U.S. 6,646,649).

In regard to claims 4-5, Naoi provides for an input section for inputting page information having both image information including color data (Fig.1 element 27 col.2 lines 65-67) and character information including color data (Fig.1 element 2B col.2 lines 60-62). Naoi does not disclose expressly for screen tint information and the gradation information in form of the character information. Tanabe provides for screen tint information (col.2 lines 19-26) and the gradation information (col.16 lines 30-35) in form

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of the character information. The prior art of Naoi and Tanabe are combinable because they are from the same field of endeavor (image display device and image processing apparatus, capable of varying the print density). At time of the invention, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Tanabe with the system and method of Naoi. Because “ the image is displayed on the basis of only gradation regardless of color data concerning three colors (e.g., red, green and blue). For that reason, even if color data of an image of inputted characters (a character image) are different from color data of an image of a background (a background image) for the character image, when the gradation of the character image is the same as that of the background image, both images are displayed with the same light and shade. Therefore, the character image on the monochrome liquid crystal display is displayed so as to be buried in the background image, so that it is very difficult to distinguish the character from the background image” col.1 lines 29-40.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Bayat whose telephone number is 703-306-5915.

The examiner can normally be reached on M-Thur 9:00-7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 703-3085246. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ali Bayat *AB*
Patent examiner
Group Art Unit 2625
11/4/04


KANJIBHAI PATEL
PRIMARY EXAMINER